

GENERAL NOTES:

SPECIFICATIONS: Construct the project in compliance with STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-03, U.S. Customary Units, and applicable special provisions.

EROSION CONTROL PLAN: Submit a soil erosion plan to the CO for review prior to beginning any work. Provide methods to prevent runoff from the construction site from entering directly into the stream.

GLUED LAMINATES: Furnish Deck Panels of glued laminated members of Coast Region Douglas Fir conforming to American Institute of Timber Construction (AITC) 117. Use members manufactured for wet condition use and industrial appearance grade. Furnish panels that consist of glued laminated Axial Combinations Identification No. 2, 3, 4 or 5.

BRIDGE RAIL LUMBER. Use treated S4S members unless noted otherwise. Use members of Hem-Fir/Douglas Fir No. 1 Grade or Better conforming to current WMPA Grading Rules for Western Lumber or Current WCLB Standard Grading Rules for Western Coast Lumber.

RUNNING PLANK & PIER LAGGING: Use treated running plank of rough sawn Western Larch or Coastal Region Douglas Fir No. 2 Grade or Better conforming to current WMPA Grading Rules for Western Lumber or current WCLB Standard Grading Rules for West Coast Lumber.

FABRICATION: Submit Shop drawings for all timber. Show all dimensions and fabrication details for all cut or bored timbers. Mark all pieces with the Piece Mark shown on the DRAWINGS, such as B1, S1, etc.. Do not field drill holes unless shown on the DRAWINGS.

TREATMENT: After fabrication incise and pressure treat all lumber in accordance with AWMPA C-28, above ground use, for glued laminates and AWMPA C-2, soil and fresh water use for solid sawn members using pentachlorophenol meeting AWMPA P-8 using AWMPA P-9 Type A solvent. Penetration requirements are specified in AWMPA.

INSPECTION and CERTIFICATION: Furnish the following compliance certificates upon delivery:

A) Supplier certification, from a WMPA or WCLB approved supplier, that all wood materials meet the requirements as to species and grade.

(B) Certification of penetrative, penetration in inches, and retention in pounds per cubic foot (assess method) by either a qualified testing and inspection agency or supplier certification. Supplier certification requires each solid piece to be stamped or branded with the AISC quality mark.

c) Certification from a qualified inspection and testing agency indicating conformance of all glued laminated members with AITC 117-93.

D) Supplier certification that all treated wood materials were treated in conformance with and meet the requirements of WWP's Best Management Practices for the Use of Treated Wood in Aquatic Environments.

CONCRETE: Use concrete with a minimum 28 day compressive strength of 3000 psi and an entrained air content of $5\% \pm 1\%$.

Chamfer all exposed edges of concrete and fillet all re-entrant angles 3/4" unless otherwise noted

REINFORCING STEEL. Use non-prestressed reinforcing of the deformed type conforming to AASHTO M31 (ASTM A615), Grade 60. Concrete cover shall be as shown; where not shown it shall conform to AASHTO. Cut and bend steel in accordance with ACI 315.

HARDWARE AND STRUCTURAL STEEL: Furnish shapes, plates and bars meeting the requirements of AASHTO M270, Grade 50W, unless otherwise specified in these plans. Use nuts and bolts meeting the requirements of ASTM A325, Type 3 except as noted. Use malleable iron washers against wood, except where otherwise noted.

Weld in accordance with the Bridge Welding Code, AWS D1.5.

Prepare and submit drawings for steel structures per Subsection 555.06 of the Standard Specifications.

FIELD TREATMENT: Furnish Copper naphthenate (2% solution) for field treating of wood. Carefully trim and give three brush coats of the field treatment solution to all abrasions and cuts made in the field. Pour preservative in all holes drilled in the field. Pour preservative in unused holes and plugged with tight fitting, treated, hardwood dowels.

DISPOSAL: All materials designated for removal become the property of the Contractor and are to be removed from Forest System Lands.

SUMMARY OF ESTIMATED QUANTITIES

[illegible]

DQ = Design Quantity; AQ= Actual Quantity

BRIDGE DESIGN NOTES:

DESIGN: This structure has been designed in accordance with the 17th edition AASHTO Standard Specifications for Highway bridges and AASHTO Guide Specifications for Design of Pedestrian Bridges.

DESIGN LOADS: This structure has been designed for the following loads:

Snow Load = 225 psf (1.15% allowable stress)

Live Load = 65 psf

Stock Use = 1000 lb. concentrated load

BY	DATE	REVISION DESCRIPTION	DESIGN	CT	PROD. NO.	55282
			DRAWN	CT	DATE	MAR. 2009
			CHECKED	MM	SURVEYED	DMA
USFS - CLEARWATER N.F. COLT CREEK CABIN TRAIL BRIDGE REPLACEMENT						
ESTIMATED QUANTITIES AND GENERAL NOTES						
SHEET					2	
OF					14	